

Hopff, H. and Rautenstrauch, C.
CHEMISTRY AND TECHNOLOGY OF VINYLIDENE
CHLORIDE. Aug 63, 13p. 13 refs.
Order from ES \$10.00

Trans. of Makromol[ekulare] Chemie (Switzerland)
1951, v. 6, p. 39-59.

DESCRIPTORS: *Chlorides, *Vinyl radicals,
Chemistry.

63-17987

1. Title: Vinylidene
chloride
- I. Hopff, H.
- II. Rautenstrauch, C.
- III. Stux, Erica,
Akron, Ohio

1252470

(Chemistry--Organic, TT, v. 10, no. 10)

Office of Technical Services

Suspension Polymerization, PT. 1. Principles, by H. Hopff,
H. Lussi, P. Gerspacher.'

SWISS, per, Makromolekulare Chemie (Switzerland), 1964,
p24-36

ATS 202 975, ATS-04S88g

H. Hopff

344,953

Suspension Polymerization. PT. 2. Practical Application
Of Dimensional Analysis To The System MMA-Mowiol 70/88.

By H. Hopff, H. Lussi, P. Gerspacher.

SWISS, per, Makromolekulare Chemie (Switzerland), 1954

p37-46

ATS-202 976, ATS-09S88a

H. Hopff

344,954

The Action of Acetyl Chloride and Carbon Monoxide on
Saturated Hydrocarbons in the Presence of Aluminum
Chloride, by H. Hopff, et al.

GERMAN, per, Chem Ber, Vol LXIX, 1936, pp 2244-2251.

ATB 257-GJ

Sci - Chem
Nov 59

100,376

60-18433

Hopff, Heinrich.
THE TECHNIQUE OF POLYMERIZATION. [1960] 22p.
Order from SLA m1\$2.70, ph\$4.80 60-18433

1. Polymerization--Analysis
I. Hopff, H.

Trans. of Kunststoffe (West Germany) 1959, v. 49,
no. 10, p. 494-500.

Office of Technical Services

(Chemistry--Organic, TT, v. 5, no. 3)

W Eur/Sci/Medicine *CF*
E

Views on the Canicola Fever of Man and the Infection of
Canines, by Dr. M. Hopfengartner, 1 p.

GERMAN, per, Tierärztliche Umschau (Veterinary Review), c
Jan 1950.

ID GSUSA F-2364 *te*

A 4204

c June 6/5

The Development of the Space Potential According
to the Spherical Harmonics, by F. Hoffner.

GERMAN, bk, Die Entwicklung des Raumpotentials
Nach Kugelfunktionen.

ACIO

Sci - Aero
Nov 63

241,348

The Aging of the Nucleus Dentatus, by W. Hopker,
32 pp.

GERMAN, PER, Z. Altersforsch, No 5, 1951, pp 256-277.

NIH 10-26

SEP 12 1957

Scientific - Biology
Nov 56 CTS

40,305

The High-Speed Cascade Wind Tunnel of
the Deutsche Forschungsanstalt für
Luftfahrt (DFL) Braunschweig, by
N. Scholz, U. Hopke.
GERMANY, Forstsch Geb Ingenieur, Vol IXV,
No 5, 1959, pp 133-147.
NASA TT F-10,717

U Hopke

MINIX GOVERNMENT USE ONLY
Sci-Methods and Equipment
Mar 67

120,860

Investigation of the Action of Halides on
Proteins, by F. Gowland Hopkins, 4 p.

GERMAN, par, Chem Ber, 1897, Vol XXX,
pp 1860-1862.

SLA 60-10547

Sci

May 60
Vol 3, No 4

116,718

Improved Ion Exchange Cellular Products,
by R. P. Hopkins, W. C. Semler,
22 pp.
FRANCE, patent, 1,248,223, 1931.
SLA TT-65-30328

R. P. Hopkins

336,335

Sci
Aug 67

Höps, r. Theodor.
DETERMINATION OF CHLORATE-CHLORINE IN
WASTE LIQUORS. [1961] 17p. 7 refs.
Order from SLA \$1.60

62-10999

Trans. of the Paper (West Germany) 1950 [v. 4]
no. 12, p. 249-254.

DISCUSSION: *Black liquor, *Chlorates, *Chlorine,
Determination, Impurities, Chemical impurities,
Reagents, Oxidation, Permanganates.

(Materials Paper, TT, v. 8, no. 0)

62-10999

T. Höps, T.

622621

Office of Technical Services

Evaluate the Liberation Army in the Spare-
Time Cultural and Art Activities among
Staff and Workers by Ho P'ing, 7 pp.
CHINESE, mp, Kung-jen Jih-pao, 23 Dec 1944,
p 1.
JPRS 23499

FE/China
Pol.
Mar 65

Ho Ping P 49

275,497

Some Methods of Producing Enriched Uranium 235,
by Ho Ping, 10 pp.

CHINESE, per, I'o Hsueh T'ung Pao, No2, 1959,
pp 36-41.

AEC HP Tr-817

Sci - Min/Metals
May 62
List 64

194, 148

Some Methods of Producing Enriched Uranium 235,
by Ho Ping, 11 pp.

CHINESE, per, K'o-hsueh T'ung-pao, No 2, 26 Jan 1959,
pp 36-41.

AF 1452306

Sci - Phys
19 Jun 61

156,036

(FDD 21645)

The Great Accomplishments of the First Year of the
First Five-Year Construction Plan (China), by
Ho P'ing, 36 pp.

CHINESE, yrbk, Ching-chi Nien-pao, 1954, Hong Kong
Mar 1954, pp 18-24.

CIA/FDD/U-6727

FE - China
Econ

20,674

CTS 62/Nov 54

(DC-3504/5).

Raise the Red Flag Contest Movement for Increasing
Production to New Heights, While Stressing
Economy and Safety, by Ho Ping-chang, 4 pp.

CHINESE, per, Mei-t'an Kung-yeh, No 11, 10 Jun
1959, pp 3-7. (Extracts)

JPRS-1061-D

FE - China

Econ - Coal Industry and Machine Industry

Dec 59

102,553

R-900

(DC-2772).

1958 Achievements and 1959 Tasks, by
Ho Ping-chang, 9 pp. (excerpts)

CHINESE, per, Mei-t'an Kung-yeh, No 4, 19 Feb 1959,
pp 2-5, 20.

JPRS-770-D

FE - China
Econ - Coal Industry
Jul 59

90,948

(NY-6429)

Preparation of Gibberellin, by Ho P'ong, 4 pp.

CHINESE, per, Sheng-wu-hsueh T'ung-pao, No 6,
1959, pp 277-278.

JPRS 9656

Sci - Biol
Aug 61

165,097

(NY 4340)

Problems of the Continued Growth of Labor
Productivity in the Third Five-Year Plan, by
Karel Hopp, Milos Pick, 12 pp.

CZECH, per, Prace a Mzda, No 1, 1960, pp 7-15.

JPRS 7445

EEur - Czechoslovakia

Econ

137,771

Jan 61

The Urea-Dewaxing Plant in Heide, by Alfred
Hoppe, 16 pp.

GERMAN, per, Erdol und Kohle, Vol XI, No 9,
1958, pp 618-621.

SLA 59-10568

Sci - Chem
Sep 59
Vol 2, No 1

97,890

SLA: 61-10498

133
Problem of the Occurrence of Oversized Radioactive
Helon in Arno Granite, by Gunter Hoppe, 10 pp.
GEMMUN, per, Geol Faren. Forhandl., Vol LXXXI,
No 3, 1959, pp 485-494, 0230310.
AEC ORNL-tr-750

292,715

Sci-Nuclear Sci & Tech
Nov 65

Development of Radioactive Halos in Biotite,
by G. Hoppe.
RUSSIAN, per, Mineralogicheskii Sbornik, vol. 16,
1962, pp. 328-332.
ORNL-TR-642
NYC 70-17008-08G

G Hoppe

June 1971

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Development of Radioactive Isotopes in
Biotite, by Gunther Hoppe,
RUSSIAN, per, L'vov, Geol Obshch
Mineralog Sbornik, No 16, 1963, pp 328-333.
9230480

AEC-ORNL-Tr-642

Gunther Hoppe

Sci-M. Sci
Dec 65

293,341

Self-Excited and Separately Excited Re-
sistance Brakes when Axles Slip, by
H. Hoppe.
GERMAN, per, Elektrische Bahnen, Vol 33,
No 3, 1962, pp 59-67.
NLL Ref: 3774.5 (1776)

Sci-Mech
Mar 69

377,004

The Production of Ocean Waves to Scale Model Tests,
by Gunther Kempf, and H. Hoppe.

GERMAN, Marft-Reederei-Hafen, No 10, 1929, pp 192-
196.

USA Corps of Eng, Waterways Exper Sta Tr 43-13

Sci - Engineering, hydraulics, naval
Econ - Transportation, river, water

A-4205

Available on loan at Research Center Library

Tasks of the Technology Department of the Main
Administration for Railroad Installations of the
Deutsche Reichsbahn, by Heinz Hoppe, 5 pp.

GERMAN, per, Signal und Schiene, Vol V, No 1, 1961.
pp 9, 10.

JPRS 8340

ESur - Germany

Econ

Jun 61

155, 872

International Conference on "Interplanetary Matter,"
by J. Hoppe, 5 pp.

RUSSIAN, per, Astron Zhur, Vol XXXV, No 3, 1958,
pp 499-502.

Amer Inst of Phys
Sov Astron - A-7
Vol II, No 3

Sci - Astron
Jul 59

91,066

BEST-QUALITY INDUSTRIAL CERAMICS FOR THE
ELECTRICAL INDUSTRY, BY OTTO HOPPE, 7 PP.

GERMAN, PER, PRESSE-INFORMATIONEN, NO 133,
12 NOV 1962, PP 4-5.

JPRS 16989

EUR - GERMANY

ECON .

JAN 63

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218,960

Lightweight Materials and Their Uses, by Peter Hoppe,
45 pp.

GERMAN, per, Kunststoffe, Vol XLII, No 12, 1952,
pp 450-459.

Dept of Commerce
Patent Office
Sci Lib (gift)

Sci - Engineering
Jul 59

92,138

New Oxizincates and an Oxocadmate $\text{Na}_2\text{Zn}_2\text{O}_2$
and Na_2CdO_2 . by R. Hoppe, E. Vielhaber.
GERMAN, per. Naturwissenschaften, Vol. 51,
No. 5, 1964, pp 103-104
GB 72

R. HOPPE

Sci -
Aug 67

337-479

A Tape-Controlled X-Ray Diffractometer
for the Automatic Measurement of the
X-Ray Intensities of Single Crystals,
by W. Hoppe, E. Berkl, 14pp.

GERMAN, per, Z fur Angewandte Physik,
Vol XXIV, No 7, 1962, pp. 434-437.

SLA 63-14745

Sci-Phys
Nov 63

243, 036

Hoppe, W.
MICROANALYSIS BY ABSORPTION SPECTROMETRY
IN THE VISIBLE SPECTRAL RANGE AND IN U. V.
[1962] 6p. 2 refs.
Order from SLA \$1.10

62-18262

Trans. of Experientia (Switzerland) 1955, v. 11
[no. 7] p. 281-282.

DESCRIPTORS: *Physiology, *Microanalysis,
*Absorption spectrum, Spectra (Visible and Ultraviolet).

(Physics--Spectroscopy, TT, v. 9, no. 5)

62-18262

I. Hoppe, W.

C227882

Office of Technical Services

Centrifugal Drier for Treating Mineral Materials, by
John Georges Hopper.

FRENCH, patent No 490,061, 3 pp.

US Dept of Commerce
Patent Office
Sci Library (gift)

Sci - Engineering
May 58

63,463

Man and Technology Conquer the Depths of 110
the Seas, by H. Hoppner, R. Forster.
GERMAN, per, Poseidon, No 86, Feb 1969.
*ACSI J-7017

H. Hoppner

Sci-BGM
July 69

63-22774

Hoptman, Julian and Long, Chester W. de
IMMUNOCHEMISTRY AND RELATED FIELDS IN
THE USSR: A BRIEF AND CRITICAL REVIEW OF
THE LITERATURE. L. C. R. S. Medical Reports:
Monographs in Soviet Medical Sciences no. 2. 1962,
25p 290refs
Order from Fordham University Press, New York, 58,
N. Y.

DESCRIPTORS: *Immunity, *Biochemistry, *Biblio-
graphies, Antigens and antibodies, Cancer, Burns,
Radiation effects, Allergy, Sensitivity, Vaccines,
Hematology, Transplantation, Immune serums,

(Biological Sciences--Pathology, TT, v. 10, no. 12)

- I. Hoptman, J.
- II. Long, C. W. de
- III. Title: L. C. R. S....
- IV. Title: Monographs...
- V. Fordham U., New York

66,201

Office of Technical Services

Hoptman, Julian.
MEDICAL VIROLOGY IN THE USSR: REVIEW OF
THE LITERATURE. I.C.R.S. Medical reports:
Monographs in Soviet Medical Sciences no. 1. 1962,
58p 412refs
Order from Fordham University Press, New York, 58,
N. Y.

DESCRIPTORS: Viruses, *Virus diseases, *Biblio-
graphics, Influenza viruses, Encephalitis viruses,
Poliomyelitis, Hepatitis, Rabies, Measles, Smallpox,
Cancer, Bacteriophages, Rickettsia, Adenoviruses,

(Biological Sciences--Pathology, TT, v. 10, no. 12)

63-22747

I. Hoptman, J.
II. Title: I.C.R.S. ...
III. Title: Monographs...
IV. Fordham U., New York

66287
Office of Technical Services

#53

(29-4339)

Raise Ideology in Military Training by Ho Quang
Hoa, 2/8/61

VIETNAMESE, np, Quan Doi Nhan Dan, No 733, 10 May
1960, p 2.

*JPRS 5082

FE - Vietnam

Mil

14 Jun 60

(NY-6400)

Duyen Hai Movement in Electricity, by Ho
Quy-Dien, 4 pp.

VIETNAMESE, np, Nhan Dan, 10 Aug 1961,
p 3.

JPRS 10935

174,877

Asia - Vietnam
Econ
Nov 61

(NY-5400)

ELECTRIC POWER BRANCH TO OVERFULFILL 1961
STATE PLAN, BY HO QUY DIEN, 3 PP.

VIETNAMESE, NP, NHAN DAN, 2 NOV 1961,
P⁴ 3.

JPRS 12433

ASIA - VIETNAM
ECON
FEB 62

182,949

Studies About the Fate of the Small Borst
Cells in the Brown-Pearce Tumor, by
Dr Julius Hora, 20 pp.

GERMAN, per, Zeitschrift fuer Krebsforschung,
Vol LII, 1941-1942, pp 1-16.

NIH Tr 914

30,324

Sci - Medicine

SLA Tr 2381

Effect of Polarization of the Incident Light on
the Emission of Complex Photocathodes, by P.
Goerlich, H. Hora, 5 pp.

RUSSIAN, per, Iz Ak Nauk SSSR, Ser Fiz, Vol XXIV,
No 6, 1960, pp 698-704.

CTT

/ 63, 892

Sci
Aug 61

The Theory of Photoelectric Emission, by P. Gorlich
H. Hora, 11 pp.

GERMAN; per, Optik, Vol IV, 1958, pp 116-126.

AEC UCRL^YE-Trans-564(L)

Sci - Phys
9 Jan 61
List 46

135,534

Hora, Heinrich.

ARRANGEMENT FOR MEASURING THE SPECTRUM
WITHOUT OPTICAL METHODS. [1963] [20]p. 6 refs.
Order from SLA \$1.60 63-18723

Trans. of Optik (West Germany) 1962, v. 19, no. 7,
p. 357-368.

DESCRIPTORS: *Spectrum analyzers, Light, *Photo-
electric cells (Semiconductor).

Physical principles of a method are described for
measuring the spectral distribution of light intensities
by purely electronic methods, without applying any
well-known optical and spectroscopic equipment, such
as gratings, filters or prisms. The method requires
only a suitable photoelectric cell. The function of
intensity I is coordinated definitely with frequency of a
current-voltage function of the photoelectric cell.
(Physics--Optics, TT, v. 10, no. 11) (over)

63-18723

I. Hora, H.

55430

Office of Technical Services

Child's Face and the Relief of Coma Gas Masks for
Children (Part 1), by MUDR Karel Hora, 20 pp.

CZECH, per, Vojensko Zdravotnicka Listy, Vol XIII,
No 3/4, 1937, pp 119-135. CIA 650540

ATIC F-18-9687/V

Sci - Medicine
Dec 59

102,573

The Child's Face and the Cheek Parts of
Some Anti-Gas Masks for Children, by Karel
Eckert, 21 pp.

CZECH, per, Vojenske Zdravotnicke Listy,
Vol XIII, No 6, 1937, pp 297-313.

ATIC F-78-9687/V

EEur - Czech
Soc
Sci - Engr

Aug 59

94,576

The Faces of Children and the Check Parts of Certain
Gas Masks for Children, by Karel Hora, 21 pp. Part II.

CZECH, per, Vojenske Zdravotnické Listy, Vol XIII;
No. 6, pp 298-312. CIA 643673

ATEC P TS 9687/V

ESur - Czech
Soc ; Mil
Feb 59

81,669.

Contribution to a Method of Studying the Anthropology
of Soft Sections, by Karel Hora, 10 pp.

CZECH, per, Casopis Lekaru Ceskych, No 38, 1936,
pp 1170-1173. CIA 64 8642

ATIC F-TS-9686/v

Sci - Chem
Feb 59

81, 278

R-28/60

(DC-3582)

Experience With the New Wage System, by Valter
Hora, 5 pp.

CZECH, per, Prace a Mzda, 1959, pp 262-265.

JPRS 3935

EEur - Czechoslovakia

Econ - Wages

Sep 60

126,029

Combustion of Organic Substances in Oxygen,
by J. Horacek.

CZECH, per, Chemische Listy, Vol LIII,
1955, pp 6-9.

CSIRO

171,383

Sci - Chem
Oct 61

Horacek, J. and Grünberger, D.
A MODIFIED RAPID METHOD FOR THE DETERMINATION OF ^{14}C . 9 May 63 [7p] 11 refs
Order from SLA \$1.10

TT-63-18903

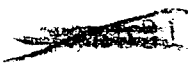
Trans. of [Sbornik Chekhoslovatskykh Khimicheskikh Rabot] 1958, v. 23, p. 1974-1977.

DESCRIPTORS: *Radioactive isotopes, *Carbon, Labeled substances, Combustion, Titration, Chemical precipitation, *Laboratory equipment, Design, Radiological contamination, *Radiochemistry.

A method is given for the determination of the C^{14} content of organic substances which combines the simplicity of the Körbl method, the accuracy of the Pregl combustion tube method, and the feature that samples are not contaminated by residual radioactivity in the apparatus. The combustion tube contains the pyrolysis product of AgMnO_4 as a combustion catalyst, and MnO_4 (Chemistry--Analytical, TT, v. 11, no. 1) (over)

TT-63-18903

I. Horacek, J.
II. Grünberger, D.



Office of Technical Services

Horacek, J. and Körbl, J.

MICRO- AND SEMIMICRODETERMINATION OF
CARBON AND HYDROGEN IN FLUORINE-CONTAINING
ORGANIC COMPOUNDS. Pt. 8 of Analytical Applica-
tions of Silver Permanganate. 27 Aug 62 [7]p. 15 refs.
Order from SLA \$1.10 62-18993

Trans. of [Sbornik Chekhoslovatskykh Khimicheskikh
Rabot] 1959, v. 24, p. 286-290.

DESCRIPTORS: *Silver compounds, *Permanganates,
*Fluorocarbons, Microanalysis, *Fluorine compounds,
Organic compounds, *Carbon, *Hydrogen.

(See also 62-18991)

(Chemistry--Analytical, TI, v. 9, no. 10)

62-18993

I. Horacek, J.
II. Körbl, J.
III. Title: Analytical...

Office of Technical Services

63-10100

Horacek, J. and Körbl, J.

DETERMINATION OF CARBON AND HYDROGEN IN ORGANIC COMPOUNDS. I. THE EFFECTIVENESS OF COMBUSTION CATALYSTS IN THE COMBUSTION OF ACETIC ACID. 31 Aug 62, 12p. 18 refs.
Order from SLA \$1.60

63-10100

Trans. of Mikrokchim[ica] Acta (Austria) 1959 [no. 2]
p. 303-313.

DESCRIPTORS: Organic compounds, *Catalysts, *Combustion, Oxidation, *Acetic acids Decomposition, *Silver compounds, *Permanganates, Quantitative analysis, Carbon, Hydrogen

The oxidative catalytic effectiveness under standard conditions was tested for 28 catalysts that are already used as combustion catalysts in elemental analysis or that appear suitable for this purpose. As test compound we used acetic acid, which was mixed in constant quantity (Chemistry--Analytical, TT, v. 9, no. 11) (over)

I. Horacek, J.

II. Körbl, J.

III. Title: Effectiveness...

Office of Technical Services

Horacek, J., Korbl, J., and Pechanec, V.
DETERMINATION OF CARBON AND HYDROGEN IN
ORGANIC COMPOUNDS. II. THE EFFECTIVENESS OF
COMBUSTION CATALYSTS IN THE COMBUSTION OF
METHANE. 11 Sep 62, 6p. 4 refs.
Order from SLA \$1.10

63-10099

Trans. of Mikrochimica Acta (Austria) 1960, p. 294-298.

DESCRIPTORS: Organic compounds, *Catalysts, *Com-
bustion, Oxidation, *Methanes, Quantitative analysis,
Hydrogen, Carbon

The oxidative effectiveness of 23 catalysts for elemental
analysis was tested under standard conditions. A
methane-oxygen mixture (4% by volume) was used as
test sample, and the lowest temperature was determined
at which the oxidation of CH₄ to CO₂ and water is quan-
titative. On the basis of the effectiveness found, the
catalysts investigated were divided into two groups. The
(Chemistry--Analytical, TT, v. 9, no. 11) (over)

63-10099

I. Horacek, J.
II. Korbl, J.
III. Pechanec, V.
IV. Title: Effectiveness...

107868

Office of Technical Services

Determination of Carbon and Hydrogen in Organic
Compounds; Efficiency of Combustion Catalysts II,
by J. Horacek, J. Korbl, V. Pechanec.

GERMAN, per, Mikrochimica Acta, Jan 1960,
pp 295-298.

Weapons Research Estab

Sci - Chem

Jan 61

157,828

62-18996

Horacek, J. and Pechanec, V.
USE OF THE MANOMETRIC METHOD IN ORGANIC
ANALYSIS. II. MICRODETERMINATION OF DOUBLE
BONDS BY CATALYTIC HYDROGENATION, 6 Aug 62
[6]p. 10 refs.
Order from SLA \$1.10

62-18996

Trans. of [Sbornik Chekhoslovatskykh Khimicheskikh
Rabot] 1962, v. 27, p. 1500-1503.

DESCRIPTORS: *Manometers, Organic compounds,
*Chemical bonds, Microanalysis, *Catalysis,
*Hydrogenation.

(See also 62-16071)

(Chemistry Analytical, TT, v. 9, no. 10)

I. Horacek, J.
II. Pechanec, V.
III. Title Micro-
termination...

Office of Technical Services

Horacek, J., Pechanec, V., and Kärbl, J.
DETERMINATION OF CARBON AND HYDROGEN IN
ORGANIC COMPOUNDS. III. THE EFFECTIVENESS
OF COMBUSTION CATALYSTS IN THE COMBUSTION
OF CARBON MONOXIDE, HEPTANE AND BENZENE.

10 Sep 62, 9p. 9 refs.
Order from SLA \$1.10

63-10103

Trans. of [Sbornik Chekhoslovatskykh Khimicheskikh
Rabot] 1962, v. 27, p. 1254-1260.

DESCRIPTORS: Determination, *Carbon, *Hydrogen,
*Organic compounds, *Combustion, *Catalysts,
*Carbon compounds, *Monoxides, *Heptanes,
*Benzenes.

The oxidative effectiveness of a number of combustion
catalysts used for C & H determination in elemental
analysis has been tested. CO, heptane, and benzene
(Chemistry--Analytical, TT, v. 9, no. 10) (over)

63-10103

I. Horacek, J.
II. Pechanec, V.
III. Kärbl, J.
IV. Title: Effectiveness...

63-10103

Office of Technical Services

Electronic Vacuum Welding, by Vladimir Horacek,
Cyril Chorvath, Blazena Trefilova.

CZECH, per Zvaranie, Vol VIII, No 7, 1969, pp 219-221.
CIA 9660763

EXX ATIC MCL 394

Sci - Engr

May 61

152,872

Air Pollu. 0264

R-8856-D/b
6 Nov 67

Study of the effects of polluted air on human body
1964 special project research by grant-in-aid for
scientific research for the Ministry of Education,
Representative Researcher, Zenji Horai (202 pp)

** Japanese - est for wds:

Please translate and type 1 original copy only.
(one copy of translation attached can be used as ~~ref~~
reference)

Air Pollu. 0263

R-8856-D/a
6 Nov. 67

Studies on Chronic Bronchitis, Pulmonary Emphysema and
Pulmonary Fibrosis

By: Zenji Horai

Research for Medical Aid by the Ministry of Welfare for
1963, Representative of Study groups, Zenji Horai (158 pp)

Japanere - est for wdr:

Please translate and type 1 original copy only.
(one copy of translation attached can be used as
reference)

Horak, J., Machovec, M., and Kosek, F.
ZINC TELLURIDE: A SEMICONDUCTING COM-
POUND. [1960] [17]p. (2 figs. omitted) 18 refs.
Order from OTS or SLA \$1.60 60-15997

Trans. of [Chekhoslovatskii Fizicheskii Zhurnal] 1957,
v. 7, no. 4, p. 468-475.

DESCRIPTORS: *Zinc compounds, *Tellurides, *Semi-
conductors, Temperature, Conductivity, Intermetallic
compounds, Crystals, Lattices.

Zinc telluride was synthesized in quartz from very pure
samples of zinc and tellurium. The Debye-Scherrer
method was used to revise the tabulated values of the
lattice constant for which the value of 6.085 Å was
found by extrapolation of the back reflection method.
The conductivity of zinc telluride as a function of the
temperature was measured on evaporated thin films.
The structure of the films does not differ from the
(Physics--Solid State, TT, v. 8, no. 3) (over)

60-15997

I. Horak, J.
II. Machovec, M.
III. Kosek, F.

C223487

7-19-62

Office of Technical Services

Zinc Telluride, a Semiconducting Compound, by
Jaromir Horak, M. Machovec, F. Kosek.

CZECH, per, Czech Journal Physics, Vol VII, No 4,
1957, pp 468-475.

Dept of Interior
TN7, B57, No 91

Sci - Min/Met

Nov 59

100,458

Mechanical Properties of Blast-Furnace Coke,
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